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statistical

REPORT
November 28, 1984

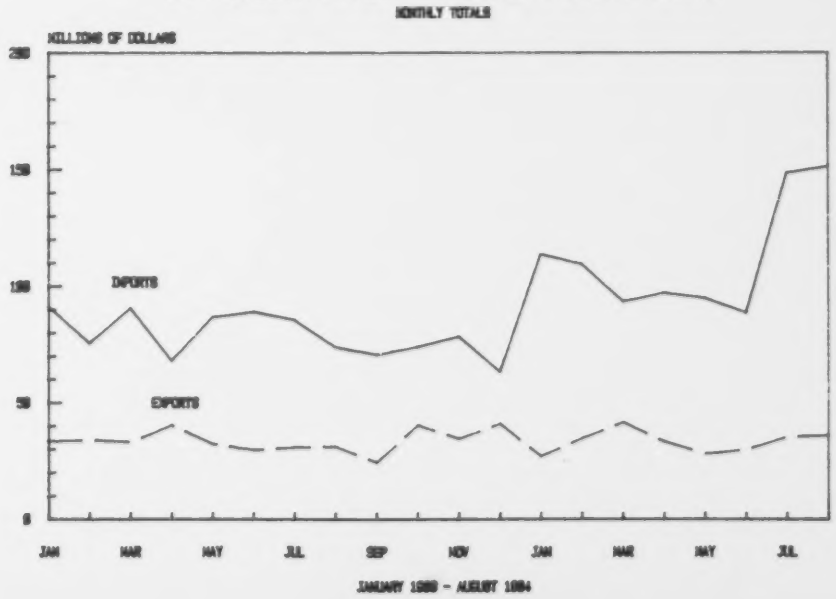
U.S. FOREIGN TRADE IN MACHINE TOOLS
AUGUST 1984

U.S. foreign trade in machine tools during August 1984 resulted in a trade deficit of $115.2 million, bringing the total deficit for the first eight months of 1984 to $630.0 million. Compared to July, U.S. exports and imports both rose by 2%. Year-to-date machine tool exports of $266.1 million were virtually unchanged for the same period last year. However, U.S. imports, at $896.1 million, are now 36% above the total for the first eight months of 1983.

U.S. Machine Tool Trade
($Millions)

August 1984	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 23.5	$ 116.5	($ 93.0)
Metal Forming	$ 12.5	$ 34.7	($ 22.2)
Total	$ 36.0	$ 151.2	($115.2)
8 Mos. 1984			
Metal Cutting	$158.9	$ 701.8	($542.9)
Metal Forming	107.2	$ 194.3	($ 87.1)
Total	$266.1	$ 896.1	($630.0)

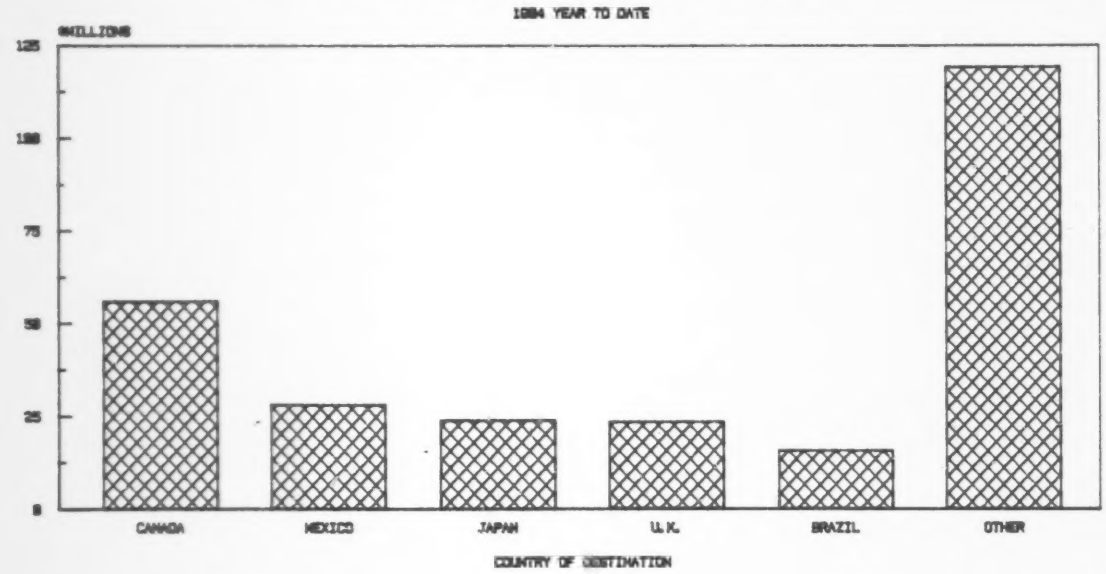
US FOREIGN TRADE -- TOTAL MACHINE TOOLS



national machine tool builders association

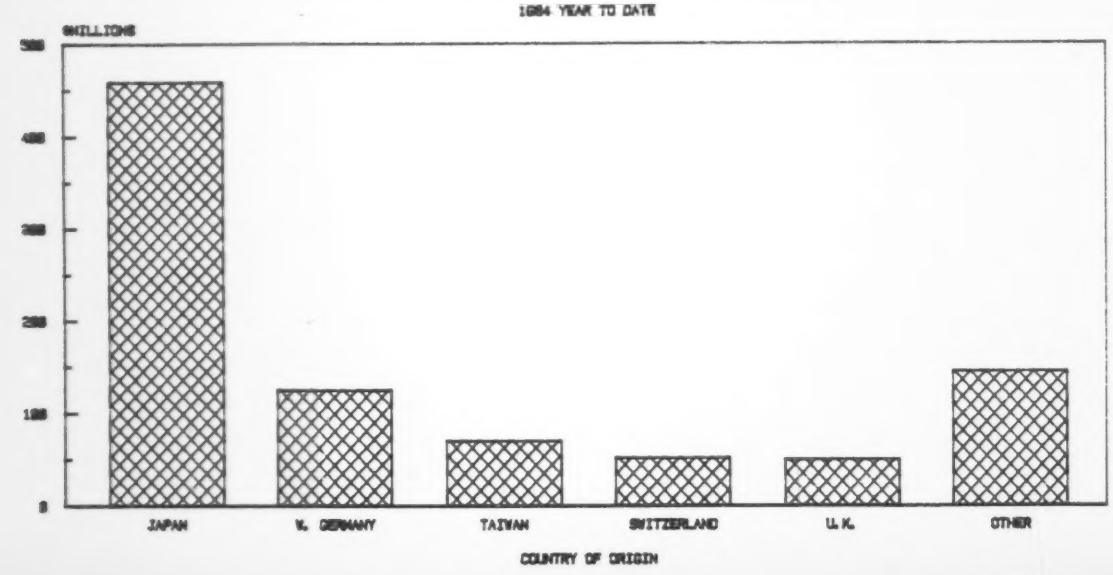
U.S. EXPORTS of metal cutting machine tools were up 30% from the July total. Metal forming exports fell 28% from the previous month. Compared to the first eight months of 1983, metal cutting exports declined 7% while exports of metal forming machinery rose 13%. For January through August 1984, the leading export markets were (in millions): Canada ($56.0), Mexico ($28.2), Japan ($24.0), the United Kingdom ($23.3) and Brazil ($15.6).

U.S. EXPORTS OF MACHINE TOOLS



Compared to July, U.S. IMPORTS of metal cutting machine tools were up 10% while imports of metal forming machines fell 19%. Both types registered year-to-date increases with metal cutting machinery surging 43% ahead of last year's level and metal forming imports rising 14%. The leading sources of machine tool imports to the U.S. during the first eight months of 1984 were (in millions): Japan ($458.0), West Germany ($124.1), Taiwan ($69.0), Switzerland ($51.1) and the United Kingdom ($49.7).

U.S. IMPORTS OF MACHINE TOOLS



U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

RELEASED: November 28, 1984

		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000	AUSTRIA UNITS	AUSTRIA $000	BELGIUM UNITS	BELGIUM $000
674:	METAL CUTTING								
3020	Gear Hobbers & Shapers	13	1774	1	357	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	23	6254	4	1335	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	28	2027	2	162	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	1	65	-	-	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	26	6594	2	466	-	-	-	-
3211	Machining Centers, NC, N.E.C.	26	3058	6	641	-	-	-	-
3216	Single Station and Multi-Station Transfer Machines	3	1157	-	-	-	-	-	-
3225	Way Type Machines (Unit Heads)	3	425	-	-	-	-	-	-
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	6	1035	1	178	-	-	-	-
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	7	1630	2	1018	-	-	-	-
3247	Vertical Boring-Drilling-Milling Machines, NC	9	2495	-	-	-	-	-	-
3248	Horiz. Boring-Drilling-Milling Machines, non-NC	10	865	1	110	-	-	-	-
3249	Vertical Boring-Drilling-Milling Machines, non-NC	71	1396	5	204	-	-	-	-
3254	Drilling Machines, NC	2	855	-	-	-	-	-	-
3255	Drilling Machines, Multi-Spindle, non-NC	14	1540	4	524	-	-	-	-
3256	Drilling Machines, Radial, non-NC	7	159	-	-	-	-	-	-
3257	Drilling Machines, Upright, Single Spindle, non-NC	3	10	1	3	-	-	-	-
3258	Drilling Machines, non-NC, N.E.C.	108	2557	18	552	-	-	-	-
3264	Milling Machines, NC	40	10217	7	3500	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	15	195	9	114	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	4	100	-	-	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	2	241	-	-	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	68	2269	11	659	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	4	786	2	597	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	30	1741	4	85	-	-	-	-
3281	Boring Machines, NC, N.E.C.	3	151	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	38	1363	2	76	-	-	-	-
3504	Horizontal Lathes, NC, Less Than 25 HP	52	4249	4	336	-	-	-	-
3506	Horizontal Lathes, NC, 25-50 HP	7	809	-	-	-	-	-	-
3508	Horizontal Lathes, NC, Over 50 HP	8	1867	1	185	-	-	-	-
3510	Horizontal Engine & Toolroom Lathes, non-NC	95	2218	18	222	-	-	-	-
3511	Automatic Chucking Lathes, Single Spindle, non-NC	11	2750	-	-	-	-	-	-
3512	Automatic Chucking Lathes, Multi-Spindle, non-NC	6	986	-	-	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	5	227	-	-	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	27	2552	1	25	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	140	2021	13	164	-	-	-	-
3519	Vertical Lathes, excl. VTL's, NC	6	1702	-	-	-	-	-	-
3525	Vertical Lathes, excl. VTL's, non-NC	138	5052	40	1397	-	-	-	-
3528	Grinding, Polishing, Honing & Lapping Machines, NC	47	5262	18	1967	-	-	-	-
3529	Gear Tooth Grinding & Finishing Machines, non-NC	16	2180	2	684	-	-	-	-
3531	Tool & Cutter Grinding Machines, non-NC	78	1280	18	167	-	-	-	-
3532	Honing & Lapping Machines, non-NC	91	1222	14	272	-	-	-	-
3533	Grinding Machines, Flat Surface Reciprocating Table, non-NC	36	1108	4	41	-	-	-	-
3538	Grinding Machines, Flat Surface, non-NC, N.E.C.	74	4231	18	407	-	-	-	-
3541	External Grinding Machines, non-NC	20	3169	4	294	-	-	1	35
3542	Internal Grinding Machines, non-NC	8	1423	-	-	-	-	-	-
3544	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	62	5951	4	822	-	-	-	-
3546	Grinding Machines, non-NC, N.E.C.	141	5201	16	160	-	-	2	24
3547	Traveling Wire Electrical Discharge Machines	20	791	13	451	-	-	-	-
3549	All Other Electrical Discharge Machines	45	1849	9	163	-	-	-	-
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	1	82	1	82	-	-	-	-
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	93	1621	-	-	-	-	-	-
3559	Metal Cutting Machine Tools, NC, N.E.C.	35	2585	11	791	-	-	-	-
3565	Sawing & Cut-off Machines, non-NC	329	7328	30	461	-	-	-	-
3566	Broaching Machines, non-NC	10	702	1	36	-	-	-	-
3567	Metal Cutting Machine Tools, non-NC, N.E.C.	288	14104	17	521	-	-	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1639	17181	139	2123	-	-	-	-
5000	Metal Cutting Machine Tools, Less Than $2500*	26618	6249	6540	1128	-	-	11	7
	TOTAL CUTTING			7018	23486	-	-	14	66
	TOTAL CUTTING YTD	30710	158959			2	91	430	2156
674:	METAL FORMING								
1011	Die Casting Machines & Parts	-	7402	-	1650	-	5	-	-
3568	Metal Forming Machine Tools, Used or Rebuilt	366	7151	43	898	-	-	-	-
3569	Metal Forming Machine Tools, Less Than $2500	2499	1688	473	363	-	-	-	-
3571	Punching & Shearing Machines, incl. Combination, NC	37	5227	3	512	-	-	-	-
3573	Shearing Machines, non-NC	37	614	7	114	-	-	-	-
3575	Punching & Combination Punching & Shearing Machines, non-NC	342	10550	20	463	-	-	-	-
3578	Bending, Folding, Straightening & Flattening Machines, NC	71	3225	9	736	-	-	-	-
3582	Press Brakes, non-NC	16	575	2	62	-	-	-	-
3583	Bending Rolls, Ram & Press Bending Machines, non-NC	11	349	1	45	-	-	-	-
3584	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	289	9349	46	1430	-	-	1	59
3588	Mechanical Presses, non-NC	165	12393	11	846	-	-	-	-
3589	Hydraulic Presses, Vertical, Single Action, non-NC	15	2478	1	51	-	-	-	-
3590	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	258	9117	40	954	-	-	-	-
3594	Headers & Upsetters, non-NC	30	4728	7	924	-	-	-	-
3595	Forging Machines, non-NC, N.E.C.	65	2970	14	324	-	-	-	-
3598	Metal Forming Machine Tools, non-NC, N.E.C.	529	29330	53	3177	-	-	-	-
	TOTAL FORMING			730	12551	-	5	1	59
	TOTAL FORMING YTD	4730	107173			-	22	51	644
	TOTAL ALL TYPES			7748	36037	-	5	15	125
	TOTAL ALL TYPES YTD	35440	266132			2	113	481	2800

Source: U.S. Department of Commerce, Census Report No. EM522; National Machine Tool Builders' Association.
NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total.

*Code 6744000 shown above represents combined data from codes 674:3015,3241,3252,3261,3272,3501,3526 & 3554.
Code 6745000 shown above represents combined data from codes 674:3243,3253,3262,3273,3502,3527 & 3557.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	DENMARK		FINLAND		FRANCE		GREECE		IRELAND		ITALY		NETHERLANDS	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	2	53	1	151	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	1	178	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	6	228	8	1204	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	5	97	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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3546	-	-	-	-	-	-	-	-	9	273	-	-	-	-
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3549	-	-	-	-	1	82	-	-	-	-	-	-	-	-
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3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3566	-	-	-	-	2	36	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	32	337	-	-
4000	-	-	-	-	226	153	-	-	-	-	135	12	14	6
5000	-	-	1	2	231	323	1	151	16	679	176	1556	14	6
CUT MO.	-	-	6	99	442	2401	19	155	78	2398	380	4155	525	551
CUT YTD	21	283	14	113										
1011	-	-	-	24	-	-	-	-	-	19	-	-	-	-
3568	-	-	-	-	12	66	-	-	-	-	-	-	-	-
3569	17	21	-	-	6	3	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	1	70	-	-	2	27	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	1	96	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	1	114
3590	-	-	-	-	-	-	-	-	1	177	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	3	43	-	-	3	223	-	-	1	114
FRM MO.	17	21	-	24	23	278	-	-	13	576	27	729	22	776
FRM YTD	41	394	-	87	115	2487	-	-	19	902	176	1556	15	120
TOT MO.	17	21	6	123	254	601	1	151	91	2974	407	4884	547	1327
TOT YTD	62	677	14	199	557	4888	19	155						

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	NORWAY		POLAND		ROMANIA		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	2	162	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	1	355	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	1	782
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	1	110	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	1	150
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	2	12
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	3	273
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	1	185
3510	-	-	3	15	-	-	-	-	-	-	-	-	10	139
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	4	48
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	1	15
3528	-	-	-	-	-	-	-	-	-	-	-	-	2	68
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	7	62	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	3	25
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	2	323
3565	-	-	-	-	-	-	2	13	-	-	1	11	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	2	20	-	-	-	-	5	3	-	-	-	-	5	150
5000	-	-	-	-	-	-	1	1	-	-	4	10	866	198
CUT MO.	3	376	3	15	-	-	8	17	1	110	14	245	901	2367
CUT YTD	8	622	4	140	-	-	320	1040	18	887	1390	1031	2649	17676
1011	-	31	-	-	-	-	-	-	-	-	-	-	-	112
3568	-	-	-	-	-	-	-	-	-	-	-	-	4	15
3569	-	-	-	-	-	-	-	-	-	-	-	-	3	2
3571	-	-	-	-	-	-	-	-	-	-	-	-	2	322
3573	-	-	-	-	-	-	-	-	-	-	-	-	1	25
3575	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	1	45	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	1	550	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	1	9
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	-	-	-	-	-	-	-	-	1	110
FRM MO.	-	31	-	-	-	-	2	595	-	-	-	-	12	596
FRM YTD	13	111	-	-	-	-	13	1186	8	452	9	2736	185	5597
TOT MO.	3	407	3	15	-	-	10	612	1	110	14	245	913	2963
TOT YTD	21	733	4	140	-	-	333	2227	26	1339	1399	3767	2834	23274

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	USSR		W. GERMANY		YUGOSLAVIA		CANADA		MEXICO		OTH. N&C AM		ARGENTINA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	1	100	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	1	207	1	259	-	-	-	-
3211	-	-	-	-	-	-	1	20	1	63	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	2	14	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	1	85	1	87	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	1	3	-	-
3258	-	-	-	-	-	-	4	177	1	8	-	-	2	177
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	5	39	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	3	90	5	129	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	2	24	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	2	76	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	1	63
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	2	16	1	8	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	1	25	-	-	-	-
3518	-	-	-	-	-	-	4	30	2	12	1	17	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	3	117	-	-	-	-	1	22	-	-	-	-
3528	-	-	1	178	-	-	-	-	-	-	-	-	-	-
3529	-	-	1	639	-	-	-	-	-	-	-	-	-	-
3531	-	-	1	16	-	-	13	100	3	22	-	-	-	-
3532	-	-	-	-	-	-	-	-	2	160	-	-	-	-
3533	-	-	-	-	-	-	3	15	-	-	-	-	-	-
3538	-	-	-	-	-	-	1	22	2	105	2	60	-	-
3541	-	-	-	-	-	-	1	48	1	37	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	2	12	6	93	2	14	-	-
3547	-	-	-	-	-	-	-	-	4	178	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	9	468	-	-	-	-	-	-
3565	1	57	1	21	-	-	17	228	5	83	-	-	-	-
3566	-	-	-	-	-	-	-	-	1	36	-	-	-	-
3567	-	-	-	-	-	-	5	425	7	42	-	-	-	-
4000	-	-	-	-	-	-	33	1132	46	326	3	13	3	18
5000	-	-	82	67	-	-	4546	365	33	21	3	4	-	-
CUT MO.	1	57	92	1213	-	-	4645	3364	129	1737	17	239	6	258
CUT YTD	3	585	971	9017	7	359	15028	27977	1517	19791	370	1660	14	658
1011	-	-	-	13	-	-	-	1310	-	39	-	11	-	-
3568	-	-	-	-	-	-	3	43	22	177	-	-	-	-
3569	-	-	2	2	-	-	212	109	200	209	7	2	11	6
3571	-	-	-	-	-	-	1	190	-	-	-	-	-	-
3573	-	-	-	-	-	-	2	24	2	8	-	-	-	-
3575	-	-	-	-	-	-	2	127	6	68	1	17	-	-
3578	-	-	4	97	-	-	1	248	1	15	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	1	4	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	6	270	-	-	8	317	11	175	1	5	-	-
3588	-	-	-	-	-	-	5	80	4	96	-	-	-	-
3589	-	-	-	-	-	-	1	51	-	-	-	-	-	-
3590	-	-	-	-	-	-	3	100	35	732	-	-	-	-
3594	-	-	1	90	-	-	3	258	-	-	-	-	-	-
3595	-	-	-	-	-	-	1	16	1	8	-	-	12	300
3598	-	-	-	-	-	-	34	1889	4	34	-	-	-	-
FRM MO.	-	-	13	472	-	-	276	4760	286	1562	10	38	23	305
FRM YTD	2	57	110	5809	-	2	1718	28062	1119	8458	74	1054	72	1600
TOT MO.	1	57	105	1686	-	-	4921	8124	415	3299	27	277	29	564
TOT YTD	5	642	1081	14825	7	360	16746	56039	2636	28249	444	2714	86	2258

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	BRAZIL		CHILE		COLOMBIA		PERU		VENEZUELA		OTH. S. AM.		INDIA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	1	295
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	6	64	-	-	-	-	-	-	-	-
3264	7	3500	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	4	75	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	1	402	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	1	154	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	1	24	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	1	174	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	5	75
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	1	21	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	1	15	-	-	-	-	1	6	1	10	1	7	-	-
5000	-	-	-	-	22	2	1	2	274	104	67	4	-	-
CUT MO.	10	4091	-	-	29	219	2	8	280	210	69	35	6	370
CUT YTD	119	14826	23	1598	174	1571	38	296	442	1017	151	346	190	1838
1011	-	10	-	2	-	-	-	-	-	-	-	-	-	17
3568	-	-	-	-	-	-	-	-	1	72	-	-	-	-
3569	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	1	3	-	-	2	93	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	1	120	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	-	-	-	-	-	-	-	-	3	275
FRM MO.	-	10	-	2	1	3	-	-	4	285	-	-	3	292
FRM YTD	6	814	-	11	6	742	2	19	33	3011	-	1	42	2340
TOT MO.	10	4100	-	2	30	223	2	8	284	495	69	35	9	661
TOT YTD	125	15640	23	1609	180	2313	40	315	475	4028	151	347	232	4179

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	S. ARABIA		ISRAEL		JAPAN		KOREAN REP.		PHILLIPINES		SINGAPORE		TAIWAN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	1	357	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	2	353	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	1	4
3258	-	-	-	-	2	112	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	1	16	-	-	-	-	-	-	1	23	-	-
3276	-	-	1	443	-	-	-	-	-	-	-	-	2	61
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	1	20	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	1	8	-	-	-	-	1	50	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	3	254	-	-
3528	-	-	-	-	1	289	-	-	-	-	-	-	-	-
3529	-	-	-	-	1	44	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	2	19	-	-	-	-	-	-	-	-
3533	-	-	-	-	1	27	-	-	-	-	-	-	-	-
3538	-	-	1	11	-	-	-	-	-	-	1	27	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	3	660	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	1	8	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	2	59	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	1	8
3565	-	-	1	18	-	-	-	-	-	-	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	1	3	-	-	-	-	-	-
4000	-	-	2	9	-	-	-	-	-	-	1	9	-	-
5000	45	55	26	3	14	12	3	4	-	-	11	7	7	8
CUY MO.	46	63	33	519	29	1932	6	64	-	-	17	321	11	81
CUT YTD	549	1898	149	1884	1182	13613	366	2612	6	7	212	1457	613	3398
1011	-	-	-	-	-	5	-	-	-	7	-	6	-	10
3568	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3569	-	-	-	-	-	-	-	-	-	-	1	1	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	-	-	-	-	-	-	2	11	2	18
3578	-	-	-	-	-	-	-	-	-	-	3	377	-	-
3582	1	58	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	2	27	-	-	1	167	4	83	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	2	399	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	2	111	-	-	-	-	3	199	1	15
FRM MO.	1	58	-	27	4	514	1	167	4	90	9	593	3	43
FRM YTD	192	3744	166	4617	92	10338	33	1174	40	878	114	2263	60	696
TOT MO.	47	121	35	546	33	2447	7	231	4	90	26	914	14	124
TOT YTD	741	5643	315	6500	1274	23951	399	3786	46	884	326	3720	673	4094

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1984

	TURKEY		OTHER ASIA		AUSTRALIA		N. ZEALAND		REP./S.AFR.		OTH. AFRICA		ALL OT CTRY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	2	940	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	1	236	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	2	39	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	32	989	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	1	30	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	3	32	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	1	16	-	-	-	-	-	-	2	43	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	1	161	-	-	-	-	-	-	-	-	-	-
3546	-	-	1	3	-	-	-	-	1	4	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	1	23	1	6	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	2	14	-	-	-	-	-	-	-	-
4000	3	69	-	-	-	-	-	-	-	-	-	-	-	-
5000	5	5	56	21	55	35	18	9	10	9	4	7	-	-
CUT MO.	8	74	95	2181	58	55	21	41	11	14	9	325	-	-
CUT YTD	140	3745	1292	8372	503	1715	66	112	192	1221	66	2786	27	855
1011	-	-	-	1	-	19	-	-	-	11	-	-	-	-
3568	-	-	1	525	-	-	-	-	-	-	-	-	-	-
3569	9	3	1	2	4	4	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	1	32	1	24	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	1	30	-	-	-	-	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	1	10	-	-	8	180	-	-	-	-	2	40	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	2	501	-	-	-	-	-	-	-	-	-	-
FRM MO.	11	46	5	1052	13	233	-	-	-	11	2	40	-	-
FRM YTD	24	1668	154	5540	82	4010	13	118	29	908	46	2353	4	1060
TOT MO.	19	119	100	3233	71	288	21	41	11	25	11	365	-	-
TOT YTD	164	5412	1446	13912	585	5725	79	229	221	2130	112	5139	31	1916

AUGUST 1984 - U.S. EXPORTS OF MACHINE TOOLS
Total and Countries of Destination
The following is a breakdown of the activity by country which is included in the ALL OTHER columns.

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
EUROPE						
AZORES	-	-	-	-	-	-
BULGARIA	-	-	-	-	-	-
CYPRUS	-	-	-	-	-	-
CZECHOSLOVAKIA	-	-	-	-	-	-
E GERMANY	-	-	-	-	-	-
HUNGARY	-	-	-	-	-	-
ICELAND	-	-	-	-	-	-
PORTUGAL	-	-	-	-	-	-
GIBRALTAR	-	-	-	-	-	-
MALTA	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-
OTHER N.&C.AM						
BAHAMAS	-	-	1	1	1	1
BARBADOS	-	-	-	-	-	-
BELIZE	-	-	-	-	-	-
BERMUDA	-	-	-	-	-	-
CAYMAN	-	-	-	-	-	-
COSTA RICA	4	74	-	-	4	74
DOMINICAN REP.	-	-	-	-	-	-
FR. W. INDIES	-	-	-	-	-	-
GUATEMALA	1	1	-	-	1	1
HAITI	-	-	-	2	-	2
HONDURAS	6	134	1	5	7	139
JAMAICA	2	16	-	-	2	16
LW & WW IS.	-	-	-	-	-	-
NICARAGUA	-	-	-	-	-	-
N. ANTILLES	-	-	6	2	6	2
PANAMA	-	-	-	-	-	-
SALVADOR	2	8	-	9	2	17
TRINIDAD	2	4	2	20	4	24
TOTAL	17	239	10	38	27	277
OTHER S. AMER						
BOLIVIA	1	7	-	-	1	7
ECUADOR	68	28	-	-	68	28
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	-	-	-	-	-	-
PARAGUAY	-	-	-	-	-	-
SURINAM	-	-	-	-	-	-
URUGUAY	-	-	-	-	-	-
TOTAL	69	35	-	-	69	35
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
ADEN	-	-	-	-	-	-
ARAB EMIRATES	7	10	-	-	7	10
BAHRAIN	3	2	-	-	3	2
BANGLADASH	-	-	-	-	-	-
BRUNEI	-	-	-	-	-	-
BURMA	-	-	-	-	-	-
CHINA	3	1101	3	1026	6	2127
GAZA STRIP	-	-	-	-	-	-
HONG KONG	81	1067	1	24	82	1092
INDONESIA	-	-	-	1	-	1
IRAQ	-	-	-	-	-	-
JORDAN	-	-	-	-	-	-
KUWAIT	-	-	-	-	-	-
LEBANON	-	-	-	-	-	-
MALAYSIA	-	-	1	2	1	2
NEPAL	-	-	-	-	-	-
OMAN	-	-	-	-	-	-
PAKISTAN	-	-	-	-	-	-
QATAR	-	-	-	-	-	-
IRAN	-	-	-	-	-	-
SRI LANKA	-	-	-	-	-	-
SYRIA	-	-	-	-	-	-
THAILAND	1	1	-	-	1	1
YEMEN	-	-	-	-	-	-
TOTAL	95	2181	5	1052	100	3233

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
OTHER OCEANIA						
FR. PAC. IS.	-	-	-	-	-	-
NEW GUINEA	-	-	-	-	-	-
TERR. PAC. IS.	-	-	-	-	-	-
OTH. PAC. IS.	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-
OTHER AFRICA						
BOTSWANA	-	-	-	-	-	-
ALGERIA	-	-	-	-	-	-
ANGOLA	-	-	-	-	-	-
BENIN	-	-	-	-	-	-
CAMEROON	-	-	-	-	-	-
CANARY ISLANDS	-	-	-	-	-	-
DAHOMEY	-	-	-	-	-	-
EGYPT	8	321	2	40	10	362
ETHIOPIA	-	-	-	-	-	-
GABON	-	-	-	-	-	-
GHANA	-	-	-	-	-	-
GUINEA	-	-	-	-	-	-
KENYA	-	-	-	-	-	-
LIBERIA	1	3	-	-	1	3
LIBYA	-	-	-	-	-	-
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	-	-	-	-	-	-
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	-	-	-	-	-	-
RWANDA	-	-	-	-	-	-
SENEGAL	-	-	-	-	-	-
SIERRA LEONE	-	-	-	-	-	-
SOMALIA	-	-	-	-	-	-
S. W. AFRICA	-	-	-	-	-	-
SUDAN	-	-	-	-	-	-
SWAZILAND	-	-	-	-	-	-
TANZANIA	-	-	-	-	-	-
TUNISIA	-	-	-	-	-	-
ZIMBABWE	-	-	-	-	-	-
MALAGASY REP.	-	-	-	-	-	-
ZAIRE	-	-	-	-	-	-
ZAMBIA	-	-	-	-	-	-
OTH WEST AFR.	-	-	-	-	-	-
IVORY COAST	-	-	-	-	-	-
MAURITIUS	-	-	-	-	-	-
TOGO	-	-	-	-	-	-
TOTAL	9	325	2	40	11	365

RELEASED: November 28, 1984

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1984

		TOTAL YTD		TOTAL MO.		AUSTRIA		BELGIUM	
674:	METAL CUTTING	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	Gear Hobbers	80	6114	25	1150	-	-	-	-
3035	Gear Shapers	12	1754	1	158	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	7	830	1	19	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	1283	92196	233	16773	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	56	7258	12	1262	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	439	49519	75	8[illegible]	-	-	-	-
3211	Machining Centers, NC, N.E.C.	240	22835	25	2836	-	-	-	-
3212	Single Station and Multi-Station Transfer Machines	35	6739	18	2672	-	-	-	-
3213	Way Type Machines (Unit Heads)	-	-	-	-	-	-	-	-
3217	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	10	2312	-	-	-	-	-	-
3218	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	33	4666	12	758	-	-	-	-
3219	Vertical Boring-Drilling-Milling Machines,NC	41	5218	7	2551	-	-	-	-
3222	Horiz. Boring-Drilling-Milling Machines,non-NC	51	5644	1	91	-	-	-	-
3223	Vertical Boring-Drilling-Milling Machines,non-NC	191	6263	42	640	-	-	-	-
3228	Drilling Machines,NC	60	3011	17	1096	-	-	-	-
3229	Drilling Machines, Multi-Spindle, non-NC	21	1104	3	47	-	-	-	-
3234	Drilling Machines, Radial, non-NC	212	1395	46	366	-	-	-	-
3236	Drilling Machines, Upright, Single Spindle, non-NC	45	268	7	35	-	-	-	-
3242	Drilling Machines, non-NC, N.E.C.	216	5241	19	441	-	-	-	-
3264	Milling Machines, NC	186	18131	28	1293	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	36	372	-	-	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	1942	13108	208	1798	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	386	3941	43	1394	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	2090	16256	165	1766	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	15	2602	1	352	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	123	3118	11	407	-	-	-	-
3281	Boring Machines, NC, N.E.C.	6	864	1	96	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	110	4425	8	740	-	-	-	-
3507	Horizontal Lathes, NC, Less Than 25 HP	1256	66227	188	10082	-	-	-	-
3509	Horizontal Lathes, NC, 25-50 HP	461	39857	67	5502	-	-	-	-
3511	Horizontal Lathes, NC, Over 50 HP	27	3240	8	1127	-	-	-	-
3512	Horizontal Engine & Toolroom Lathes, non-NC	2193	17420	383	3060	-	-	-	-
3513	Automatic Chucking Lathes, Single Spindle, non-NC	78	2437	11	384	-	-	-	-
3514	Automatic Chucking Lathes, Multi-Spindle, non-NC	102	1948	2	6	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	104	1692	12	325	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	106	5842	12	501	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	231	4436	29	682	-	-	-	-
3521	Vertical Lathes, excl. VTL's, NC	275	16648	44	2933	-	-	-	-
3522	Vertical Lathes, excl. VTL's, non-NC	1264	16057	206	2383	-	-	2	109
3527	Gear Tooth Grinding & Finishing Machines	146	4048	112	2368	-	-	-	-
3528	Tool & Cutter Grinding Machines, NC	28	2121	-	-	-	-	-	-
3529	Tool & Cutter Grinding Machines, non-NC	862	11389	161	2014	-	-	-	-
3533	Honing & Lapping Machines	111	3164	14	872	-	-	-	-
3539	Grinding Machines, Flat Surface, NC	64	4735	12	1109	-	-	-	-
3541	Grinding Machines, Flat Surface Reciprocating Table,non-NC	547	4834	115	797	-	-	-	-
3543	Grinding Machines, Flat Surface, non-NC, N.E.C.	614	10246	153	3856	-	-	-	-
3546	Grinding & Polishing Machines, NC, N.E.C.	47	6826	10	2085	-	-	-	-
3554	External Grinding Machines, non-NC	187	6952	14	485	-	-	-	-
3556	Internal Grinding Machines, non-NC	71	2308	11	287	-	-	-	-
3558	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	116	3440	10	360	-	-	-	-
3559	Grinding Machines, non-NC, N.E.C.	857	18804	125	2013	-	-	-	-
3562	Traveling Wire Electrical Discharge Machines	454	23852	85	5055	-	-	-	-
3564	All Other Electrical Discharge Machines	365	13733	23	2574	-	-	-	-
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	25	2629	10	570	-	-	-	-
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	89	3815	21	441	-	-	3	8
3576	Metal Cutting Machine Tools, NC, N.E.C.	13	1393	1	122	-	-	-	-
3577	Sawing & Cut-off Machines, non-NC	897	12670	161	1937	-	-	-	-
3578	Broaching Machines, non-NC	9	1625	-	-	-	-	-	-
3579	Metal Cutting Machine Tools, non-NC, N.E.C.	743	18375	83	3227	-	-	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	6541	19907	1112	3519	-	-	2	5
5000	Metal Cutting Machine Tools, Less Than $2500*	913384	63922	98718	8396	37	21	11	17
	TOTAL CUTTING			102922	116500	37	21	18	139
	TOTAL CUTTING YTD	940193	701837			2078	1251	48	342
674:	METAL FORMING								
1010	Die Casting Machines	114	5000	15	815	-	-	1	58
3582	Metal Forming Machine Tools, Used or Rebuilt	434	4321	75	548	-	-	1	12
3583	Metal Forming Machine Tools, Less Than $2500	37239	5295	5229	802	2	3	-	-
3584	Punching & Shearing Machines, incl. Combination, NC	318	35131	36	6735	-	-	-	-
3586	Shearing Machines, non-NC	502	8870	59	888	1	46	8	144
3587	Punching & Combination Punching & Shearing Machines, non-NC	475	7368	48	1051	-	-	2	22
3588	Bending, Folding, Straightening & Flattening Machines, NC	114	4628	29	726	-	-	-	-
3589	Press Brakes, non-NC	625	15862	111	4581	-	-	11	949
3591	Bending Rolls, Ram & Press Bending Machines, non-NC	119	1763	16	333	-	-	-	-
3592	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	687	13623	145	2869	4	620	1	9
3593	Metal Forming Machine Tools, NC, N.E.C.	150	7956	2	58	-	-	-	-
3594	Mechanical Presses, non-NC	267	19799	42	2228	-	-	-	-
3595	Hydraulic Presses, Vertical, Single Action, non-NC	52	1051	7	169	-	-	-	-
3596	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	291	28788	33	8352	-	-	-	-
3597	Headers & Upsetters, non-NC	103	7350	17	1056	-	-	-	-
3598	Forging Machines, non-NC, N.E.C.	63	1544	2	187	-	-	-	-
3599	Metal Forming Machine Tools, non-NC, N.E.C.	999	25919	150	3305	-	-	-	-
	TOTAL FORMING			6016	34709	5	669	24	1194
	TOTAL FORMING YTD	42552	194302			58	1271	526	4757
	TOTAL ALL TYPES			108938	151209	42	690	42	1333
	TOTAL ALL TYPES YTD	982745	896139			2136	2523	574	5100

Source: U.S. Department of Commerce, Census Report No. IM146; National Machine Tool Builders' Association.

NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Machine tool imports, as reflected in the government statistics, are actually undervalued since they reflect values in the country of origin and do not include ocean freight, insurance, dealer's commission or import duties.
5) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total. U.S. die casting imports are not available for previous years.

*Code 6744000 shown above represents combined data from codes 674:3015,3215,3226,3261,3272,3502,3524 & 3573.
Code 6745000 shown above represents combined data from codes 674:3227,3262,3273,3503,3526 & 3574.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1984

674	CZECHO.		DENMARK		E. GERMANY		FRANCE		ITALY		NETHERLANDS		NORWAY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	1	39	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	1	47	-	-	-	-	-	-
3212	-	-	-	-	-	-	-	-	3	818	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	1	195	-	-	-	-
3222	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3223	-	-	-	-	-	-	-	-	1	126	-	-	-	-
3228	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3229	-	-	-	-	-	-	-	-	1	40	-	-	-	-
3234	1	5	-	-	-	-	-	-	4	57	-	-	-	-
3236	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3242	-	-	-	-	2	8	-	-	1	9	-	-	-	-
3264	-	-	-	-	-	-	4	108	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	2	31	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	2	28	7	92	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	1	15	-	-	-	-	1	14	-	-	-	-
3507	-	-	-	-	-	-	3	183	-	-	-	-	-	-
3509	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	1	26	-	-	-	-	-	-	1	22	-	-	-	-
3513	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3514	-	-	-	-	-	-	2	6	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3521	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3522	4	19	-	-	-	-	-	-	2	17	-	-	-	-
3527	-	-	-	-	-	-	1	258	5	403	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	1	5	-	-	-	-	3	103	1	7	1	86	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3539	-	-	2	73	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	6	149	-	-	-	-
3543	-	-	-	-	1	45	-	-	-	-	2	196	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3554	-	-	3	67	-	-	-	-	4	105	-	-	-	-
3556	-	-	7	133	-	-	-	-	-	-	-	-	-	-
3558	-	-	-	-	-	-	-	-	7	221	-	-	-	-
3559	-	-	8	28	-	-	1	41	28	464	3	56	-	-
3562	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3564	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	5	245	-	-	-	-	-	-
3571	-	-	-	-	-	-	1	7	-	-	-	-	-	-
3576	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3577	-	-	-	-	-	-	1	53	23	208	2	63	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3579	-	-	-	-	-	-	-	-	18	407	-	-	-	-
4000	1	a/	1	10	-	-	5	22	10	273	2	9	-	-
5000	1	2	17	9	-	-	328	162	446	88	118	95	5	12
CUT MO.	9	57	39	333	3	53	360	1342	570	3714	128	505	5	12
CUT YTD	50	394	593	2035	42	881	1406	6209	7099	27562	810	5198	51	415
1010	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	23	19	1	19	-	-	-	-
3583	-	-	1	1	-	-	122	51	209	11	33	33	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3586	-	-	-	-	-	-	8	105	3	22	10	87	-	-
3587	-	-	2	187	-	-	-	-	1	16	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	2	64	-	-	17	271	-	-	-	-	-	-
3591	-	-	-	-	-	-	-	-	3	66	-	-	-	-
3592	-	-	1	24	-	-	-	-	32	575	-	-	-	-
3593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	2	96	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3596	-	-	-	-	-	-	-	-	-	-	1	112	-	-
3597	-	-	-	-	-	-	-	-	1	100	-	-	-	-
3598	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3599	-	-	2	66	-	-	3	45	16	199	6	267	-	-
FRM MO.	-	-	8	343	-	-	173	490	268	1104	50	498	-	-
FRM YTD	-	-	69	1534	1	1	813	3334	2656	7109	140	2088	5	176
TOT MO.	9	57	47	677	3	53	533	1832	838	4818	178	1003	5	12
TOT YTD	50	394	662	3569	43	882	2219	9544	9755	34671	950	7286	56	591